

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Norwalk Substation

Date: June 20, 2006

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 0.14-0.7" of rain was recorded over 6/19-6/20 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-6/20/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-6/20/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 6/20/06. -The 345kV turning structure showed signs of worsening erosion at its base due to the recent storms and river flow. 6/14-6/20/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-6/20/06. -Although this foundation continues far below ground, the erosion should be evaluated to prevent future problems. 6/14-6/20/06	-N/A. - Needs evaluation
Erosion and Sediment Controls	- Erosion on the slope of the river appears to be forming again. 6/20/06 Evaluate erosion at the 345kV turning structure. - Stone was placed around the inlet on site in an effort to filter run-off. 6/20/05	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-6/20/06. - Continue to monitor at the next rain event to determine if this control works to reduce turbidity to the river. 6/20/06	-N/A - Stone was placed at the inlet.
Inland Wetland and Watercourse encroachment and	- Vegetation continues to grow well along the original overflow	- None at this time. 6/20/06.	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
mitigation	channel. 6/20/06.		
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
Vegetative clearing limits (including trees to save or danger trees noted)	-Due to necessary clearing for overhead lines and the natural damage of the flood, the riverbanks to the north of site could use some vegetative growth. 5/17-6/20/06 - Landscaping efforts appear successful as grass growth continues. 6/20/06	- None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-6/20/06 - None at this time 6/20/06	-N/A N/A
Dewatering	-Dewatering was not observed during this inspection. 6/20/06.	-None at this time. 6/20/06.	-N/A.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 6/20/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A -N/A
Additional Observations			

Plumtree Substation

Date: June 20, 2006

Inspector: Diana Walden

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 0.14-0.7" of rain was recorded over 6/19-6/20 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	- Work has returned to the substation so the drive is again in use for this equipment. 3/15-6/20/06.	- None at this time. 6/20/06.	-N/A.
Foundation construction	- Work on structures and the concrete slab continues. 6/20/06. - Site cleanup was also noted at the time of inspection. 6/20/06	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-6/20/06.	-N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The perimeter stone berm remains in place. Sediment accumulation was not significant and vegetation here is thick. 6/20/06 -A few stockpiles remain on site but are contained. 6/20/06. -Active dewatering was not noted at the time but the site remains somewhat muddy. 6/20/06.	- The berm must remain maintained as sediment control or be replaced with haybales and silt fence. 6/20/06 -Continue to monitor. 6/20/06. - When necessary, utilize other methods of controlling future dewatering without letting unfiltered water off-site. 6/20/06	- N/A -N/A -N/A
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. 6/20/06	- Vegetation adjacent to the yard is thick and any sediment accumulation was not significant. 6/20/06.	N/A.
State species of concern, threatened and endangered species	- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.	- Move machinery carefully and perform daily walkdowns of the site. Watch carefully for the turtle as this is the most active time of year. 5/25-6/20/06.	-Daily walkdowns should be occurring at this point with crews remaining aware of machinery and open trenches throughout the day.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	-N/A
Dewatering	- Active dewatering was not observed at the inspection but the site is still somewhat muddy. 6/20/06.	-See erosion control section 6/14/06.	-The berm was restored
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 6/20/06 - Some site clean-up was noted. 6/20/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Next likely scheduled inspection:

Wednesday, June 28, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden, Lee Curtis



Norwalk Substation: Photo on the left shows a view of the 345kV turning structure with the adjacent erosion. This should be checked and repaired if feasible. Photo on the right shows a view of the inlet on site where stone was placed in an effort to filter run-off. 6/20/06.



Plumtree Substation: Both photos show an overview of the ongoing work within the station yard. Several stockpiles remain, structure work continues, and there was some general site clean-up occurring. 6/20/06